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50 Ohm Transmission and Computer Cable

RG-58A/U Type

Jameco Part Number 232899 (8240-010-1000)

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m
RG-58A/U Type • 20 AWG Stranded (19x32) .037″ Tinned Copper • 96% Tinned Copper Braid Shield																			
Foam Polyethylene Insulation • Black or White PVC Jacket																			
UL AWM Style 1354 (30V 80°C)	**8219**	NEC: CM CEC: CM	U-500▲ 500 U-1000▲ 1000	U-152.4 152.4 U-304.8 304.8	14.0 16.0 27.0 27.0	6.4 7.3 12.3 12.3	20 AWG (19x32) .037″ TC 8.8Ω/M′ 28.9Ω/km	.114	2.90	TC Braid 96% Shield Coverage 4.1Ω/M′ 13.4Ω/km	.194	4.93	53.5	73%	26.5	86.9	1 10 50 100 200 400 700 900 1000	.4 1.3 3.1 4.5 6.6 10.0 14.2 16.6 18.1	1.2 4.3 10.2 14.8 21.7 32.8 46.6 54.5 59.4
P-MSHA • SC-182/5* ▲U-500 ft. and U-1000 ft. put-ups available in White only.																			
RG-58A/U Type • 20 AWG Stranded (19x32) .037″ Tinned Copper • Duobond® II + 55% Tinned Copper Braid Shield																			
Foam Polyethylene Insulation • Black PVC Jacket																			
UL AWM Style 1354 (30V 80°C)	**9311****	NEC: CM CEC: CM	500 U-1000 1000	152.4 U-304.8 304.8	14.5 23.0 23.0	6.6 10.5 10.5	20 AWG (19x32) .037″ TC 8.8Ω/M′ 28.9Ω/km	.114	2.90	Duobond II + 55% TC Braid 17.0Ω/M′ 55.8Ω/km	.193	4.90	52	75%	26.0	85.3	1 10 50 100 200 400 700 900 1000	.5 1.5 2.9 4.0 5.7 8.5 12.2 14.5 15.8	1.6 4.9 9.5 13.1 18.7 27.9 40.0 47.6 51.8
RG-58A/U Type • 20 AWG Stranded (19x33) .035″ Tinned Copper • 95% Tinned Copper Braid Shield																			
Polyethylene Insulation • Black PVC Jacket																			
75°C	**8259**		100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	3.5 13.5 16.0 27.0 27.0	1.6 6.1 7.3 12.3 12.3	20 AWG (19x33) .035″ TC 10.8Ω/M′ 35.4Ω/km	.116	2.95	TC Braid 95% Shield Coverage 4.1Ω/M′ 13.4Ω/km	.192	4.88	50	66%	30.8	101.0	1 10 50 100 200 400 700 900 1000	.4 1.5 3.7 5.4 8.1 12.4 17.7 21.1 22.8	1.4 4.9 12.1 17.7 26.6 40.7 58.1 69.2 74.8
RG-58A/U Type • 20 AWG Solid .032″ Bare Copper • 95% Tinned Copper Braid Shield																			
Polyethylene Insulation • Black PVC Jacket																			
UL AWM Style 1354 (30V 80°C)	**8240**	NEC: CMX CEC: CMX	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	3.7 14.5 16.0 28.0 28.0	1.7 6.6 7.3 12.7 12.7	20 AWG (solid) .033″ BC 10.0Ω/M′ 32.8Ω/km	.116	2.95	TC Braid 95% Shield Coverage 4.1Ω/M′ 13.4Ω/km	.193	4.90	51.5	66%	28.5	93.5	1 10 50 100 200 400 700 900 1000	.3 1.1 2.5 3.8 5.6 8.4 11.7 13.7 14.5	1.1 3.6 8.2 12.5 18.4 27.6 38.4 44.9 47.6
											For Plenum versions of 8240, see 88240 or 82240.								
Plenum • FEP Insulation • Black FEP Jacket																			
200°C	**88240**	NEC: CMP CEC: CMP FT6	500† 1000†	152.4 304.8	14.0 26.0	6.4 11.8	20 AWG (solid) .032″ BC 10.2Ω/M′ 33.5Ω/km	.107	2.72	TC Braid 95% Shield Coverage 6.7Ω/M′ 22.0Ω/km	.159	4.04	53.5	69.5%	26.4	86.6	1 10 50 100 200 400 700 900 1000	.5 1.2 3.0 4.3 6.4 9.7 13.7 16.1 17.3	1.6 3.9 9.8 14.2 21.0 31.7 45.0 52.8 56.6
Plenum • FEP Insulation • Natural Flamarrest® Jacket																			
75°C	**82240**	NEC: CMP CEC: CMP FT6	U-500† U-1000† 1000†	U-152.4 U-304.8 304.8	12.5 25.0 25.0	5.7 11.4 11.4	20 AWG (solid) .032″ BC 10.2Ω/M′ 33.5Ω/km	.107	2.72	TC Braid 95% Shield Coverage 6.7Ω/M′ 22.0Ω/km	.159	4.04	53.5	69.5%	26.4	86.6	1 10 50 100 200 400 700 900 1000	.5 1.2 3.0 4.3 6.4 9.7 13.7 16.1 17.3	1.6 3.9 9.8 14.2 21.0 31.7 45.0 52.8 56.6

BC = Bare Copper • DCR = DC Resistance • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotation of RG/U cables not listed.

*Pennsylvania Department of Environmental Resource and United States Mine Safety and Health Administration certification. **See Belden's website, www.belden.com, for connector information.
†Spools and/or UnReel® cartons are one piece, but length may vary ±10% from length shown.